

AMENDMENT UNDER 37 C.F.R. § 1.116

U.S. Application No.: 09/832,180

a case housing the ink pack and constituting an outer shell of the cartridge;  
wherein the ink cartridge is loaded to the recording apparatus so that surfaces of the flattened ink pack are oriented in a substantially vertical state,  
wherein an ink flow passage bulging outwardly of the ink pack is formed from at least one of interior surfaces of the flexible material constituting the ink pack to extend along a gravity direction lower side of the ink pack, and  
wherein the ink flow passage is disposed at a location that is separated from an outer edge of the ink pack.

B1c  
cont.  
9. (Twice amended) An ink cartridge for use with a recording apparatus, comprising:

an ink pack which is filled with ink and is formed into a flattened bag shape from flexible material; and

a case housing the ink pack and constituting an outer shell of the cartridge;  
wherein the ink cartridge is loaded to the recording apparatus so that surfaces of the flattened ink pack are oriented in a substantially vertical state,  
wherein an ink flow passage bulging outwardly of the ink pack is formed on at least one of interior surfaces of flexible material constituting the ink pack to extend along a gravity direction lower side of the ink pack,

wherein the ink flow passage is formed by press-forming flexible material constituting the ink pack, and

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wherein the ink flow passage is disposed at a location that is separated from an outer edge of the ink pack.

11. (Once Amended) The ink cartridge according to claims 8 or 9, wherein the case is formed hermetically, and air pressure can be applied from a recording apparatus to an interior of the case to pressurize the ink pack when the ink cartridge is loaded to the recording apparatus.

12. (Twice amended) An ink cartridge for use with a recording apparatus, comprising:  
*B* *C*  
cont.  
an ink pack which is filled with ink and is formed into a flattened bag shape from flexible material; and

a case housing the ink pack and constituting an outer shell of the cartridge;  
wherein the ink cartridge is loaded to the recording apparatus so that surfaces of the flattened ink pack are oriented in a substantially horizontal state,

wherein ink flow passages bulging outwardly of the ink pack are formed from at least one of interior surfaces of the flexible material constituting the ink pack to extend along respective sides of the ink pack perpendicular to a side in which an ink outlet port is formed, and

wherein each of the ink flow passages is separate from on outer edge of the ink pack.

13. (Twice amended) An ink cartridge for use with a recording apparatus,  
comprising:

an ink pack which is filled with ink and is formed into a flattened bag shape from flexible

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material; and

a case housing the ink pack and constituting an outer shell of the cartridge;

wherein the ink cartridge is loaded to the recording apparatus so that surfaces of the flattened ink pack are oriented in a substantially horizontal state,

*B/c Cont*  
wherein ink flow passages bulging outwardly of the ink pack are formed on at least one of interior surfaces of flexible material constituting the ink pack to extend along respective sides of the ink pack perpendicular to a side in which an ink outlet port is formed,

wherein the ink flow passages are formed by press-forming flexible material constituting the ink pack, and

wherein each of the ink flow passages is separate from an outer edge of the ink pack.

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16. (Twice amended) A flexible ink pack having opposing interior surfaces defining an ink storage chamber, the flexible ink pack comprising:

a plug member provided to a shorter side of the ink storage chamber; and

*B/c*  
a protrusion and/or recess provided to at least one of the interior surfaces of the ink pack, and elongated substantially along a longer side of the ink storage chamber,

wherein the protrusion and/or recess is attached to the interior surface of the ink storage chamber pack at a location that is separated from an outer rectilinear edge of the ink storage chamber.

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18. (Twice Amended) A flexible ink pack having opposing interior surfaces defining

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a ink storage chamber, the flexible ink pack comprising:

a plug member provided to a shorter side of the ink storage chamber; and

*C\*  
*B3*  
*cont.*  
a protrusion and/or recess provided to at least one of the interior surfaces of the ink pack, and elongated substantially along a longer side of the ink storage chamber and separated from an outer rectilinear edge,

wherein the recess is formed as a consequence of plastically deforming a part of a flexible film defining the one interior surface.

**Please add the following new claims:**

31. (New) An ink cartridge for use with a recording apparatus, comprising:

*C\*  
*B4*  
an ink pack which is filled with ink and is formed into a flattened bag shape from flexible material, wherein the flattened bag shape corresponds to a geometric shape; and

a case housing the ink pack and constituting an outer shell of the cartridge;  
wherein the ink pack has an integral portion for ensuring an ink flow passage when ink in the ink pack is reduced, and

wherein the integral portion of the ink pack is disposed at a location that is separated from an outer edge of the ink pack corresponding to the geometric shape.